



**NEW UTILITY  
PATENT APPLICATION  
TRANSMITTAL**  
*(only for new nonprovisional applications under  
37 CFR 1.53(b))*

Attorney Docket Number	23019-07460
First Named Inventor	Ramesh Yarlagadda
Title	High Bandwidth Memory Management Using Multi-Bank DRAM Devices
Express Mail Label No.	EV 333133904 US

22964 PTO/US  
10/734082

<b>APPLICATION ELEMENTS</b>		<b>ACCOMPANYING APPLICATION PARTS</b>	
1. <input checked="" type="checkbox"/> Fee Transmittal Form		7. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))	
2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		8. <input type="checkbox"/> Certified Copy of Priority Document(s) ( <i>if foreign priority is claimed</i> )	
3. <input checked="" type="checkbox"/> Specification <span style="float: right;">Total Pages <b>28</b></span>	<i>(preferred arrangement set forth below)</i>	9. <input type="checkbox"/> Power of Attorney or Authorization of Agent	
	<input type="checkbox"/> Descriptive Title of the Invention <input type="checkbox"/> Cross Reference(s) to Related Case(s) <input type="checkbox"/> Statement Regarding Fed sponsored R & D <input type="checkbox"/> Background of the Invention <input type="checkbox"/> Brief Summary of the Invention <input type="checkbox"/> Brief Description of the Drawing(s) <input type="checkbox"/> Detailed Description <input type="checkbox"/> Claim or Claims <input type="checkbox"/> Abstract of the Disclosure	10. <input type="checkbox"/> 37 CFR 3.73(b) Statement	
4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) <span style="float: right;">Total Sheets <b>7</b></span>		11. <input type="checkbox"/> Preliminary Amendment	
5. Combined Declaration and Power of Attorney		12. <input type="checkbox"/> Information Disclosure Statement & PTO/SB/08A <input type="checkbox"/> Copies of IDS Citation(s)	
a. <input checked="" type="checkbox"/> New Declaration <span style="float: right;">Total Pages <b>3</b></span>		13. <input checked="" type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 <i>(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent</i>	
	<input type="checkbox"/> Executed (original or copy) <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <i>(for continuation/divisional with Box 18 completed)</i> i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	14. <input checked="" type="checkbox"/> Return Postcard	
6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76		15. <input type="checkbox"/>	
16. <input type="checkbox"/>		17. <input type="checkbox"/>	
<b>ADDRESS TO:</b>			
<b>Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450</b>			

18. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information below and in a preliminary amendment or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-part (CIP) of prior application No: \_\_\_\_\_ / \_\_\_\_\_

Prior application information: Examiner: \_\_\_\_\_ Group/Art Unit: \_\_\_\_\_

**For CONTINUATION OR DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuing or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

**00758**

<input checked="" type="checkbox"/> Customer Number			
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Name (Print/Type)	Eileen A. Lehmann	Registration No. (Attorney/Agent)	39,272
Signature	<i>Eileen A. Lehmann</i>		Date <b>12/10/03</b>

# FEE TRANSMITTAL for FY 2004

Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT DUE**(\$)**385.00**

Complete if Known	
Application Number	not yet known
Filing Date	December 10, 2003
First Named Inventor	Ramesh Yarlagadda
Examiner Name	not yet known
Art Unit	not yet known
Attorney Docket No.	23019-07460

**METHOD OF PAYMENT** (check all that apply)

Check  Credit Card  Money Order  Other  None  
 Deposit Account:

Deposit Account Number Deposit Account Name 

The Commissioner is authorized to: (check all that apply)

- Charge fee(s) indicated below  Credit any overpayments  
 Charge all required fee(s) or any underpayment of fee(s) due under 37 CFR §1.16 or §1.17 during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee

to the above-identified deposit account.

**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

Fee Code (\$)	Fee	Fee Code (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee <b>385</b>
1002	340	2002	170	Design filing fee
1003	530	2003	265	Plant filing fee
1004	770	2004	385	Reissue filing fee
1005	160	2005	80	Provisional filing fee
<b>SUBTOTAL (1)</b>		(\$)	<b>385</b>	

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

	Extra Claims	Fee from below	Fee Paid
Total Claims	10	-20** = 0	x 9 = 0
Independent Claims	1	-3** = 0	x 43 = 0
Multiple Dependent			=

Large Entity Small Entity

Fee Code (\$)	Fee	Fee Code (\$)	Fee Description
1202	18	2202	9
			Claims in excess of 20
1201	86	2201	43
			Independent claims in excess of 3
1203	290	2203	145
			Multiple dependent claim, if not paid
1204	86	2204	43
			**Reissue independent claims over original patent
1205	18	2205	9
			**Reissue claims in excess of 20 and over original patent
<b>SUBTOTAL (2)</b>		(\$)	<b>0</b>

\*or number previously paid, if greater; For Reissues, see above

Large Entity	Small Entity	Fee Description	Fee Paid
1051	130	2051	65 Surcharge - late filing fee or oath
1052	50	2052	25 Surcharge - late provisional filing fee or cover sheet
1053	130	1053	130 Non-English specification
1812	2,520	1812	2,520 For filing a request for ex parte reexamination
1804	920*	1804	920* Requesting publication of SIR prior to Examiner action
1805	1,840*	1805	1,840* Requesting publication of SIR after Examiner action
1251	110	2251	55 Extension for reply within first month
1252	420	2252	210 Extension for reply within second month
1253	950	2253	475 Extension for reply within third month
1254	1,480	2254	740 Extension for reply within fourth month
1255	2,010	2255	1,005 Extension for reply within fifth month
1401	330	2401	165 Notice of Appeal
1402	330	2402	165 Filing a brief in support of an appeal
1403	290	2403	145 Request for oral hearing
1451	1,510	1451	1,510 Petition to institute a public use proceeding
1452	110	2452	55 Petition to revive - unavoidable
1453	1,330	2453	665 Petition to revive - unintentional
1501	1,330	2501	665 Utility issue fee (or reissue)
1502	480	2502	240 Design issue fee
1503	640	2503	320 Plant issue fee
1460	130	1460	130 Petitions to the Commissioner
1807	50	1807	50 Processing fee under 37 CFR 1.17(g)
1806	180	1806	180 Submission of Information Disclosure Stmt
8021	40	8021	40 Recording each patent assignment per property (times number of properties)
1809	770	2809	385 Filing a submission after final rejection (37 CFR 1.129(a))
1810	770	2810	385 For each additional invention to be examined (37 CFR 1.129(b))
1801	770	2801	385 Request for Continued Examination (RCE)
1802	900	1802	900 Request for expedited examination of a design application
Other fee (specify)			
<b>SUBTOTAL (2)</b>		(\$)	<b>0</b>
<b>SUBTOTAL (3)</b>		(\$)	<b>0</b>

\*Reduced by Basic Filing Fee Paid

**SUBMITTED BY**

Complete (if applicable)

Name (Print/Type) Eileen A. Lehmann Registration No. 39,272 Telephone (650) 335-7246

Signature

*Eileen A. Lehmann*

Date

12/10/03

<b>NONPUBLICATION REQUEST UNDER 35 U.S.C. 122(b)(2)(B)(i)</b>	First Named Inventor	Ramesh Yarlagadda
	Title	High Bandwidth Memory Management Using Multi-Bank DRAM Devices
	Atty Docket Number	23109-07460

I hereby certify that the invention disclosed in the attached application **has not been and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

12/10/03

Date

Eileen A. Lehmann

Signature

Eileen A. Lehmann, Reg. #39,272

Typed or printed name, Reg. No.:

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**